Amendments to the Claims:

The following Listing of Claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

- 1. (Currently Amended) A method of making a crosslinked polymer comprising the steps of:
- a) providing a highly fluorinated fluoropolymer comprising: a backbone derived in part from tetrafluoroethylene monomer, first pendent groups which include a group according to the formula -SO2X, where X is F, Cl, Br, OH or O-M+, where M+ is a monovalent cation, and second pendent groups which include a halogen atom selected from the group consisting of Br; Cl and I; and
- b) exposing said fluoropolymer to electron beam radiation so as to result in the formation of crosslinks.
- 2. (Original) The method according to claim 1 wherein said method additionally comprises, prior to said step b), the step of:
- c) forming said fluoropolymer into a membrane.
- 3. (Original) The method according to claim 1 wherein said membrane has a thickness of 90 microns or less.
- 4. (Original) The method according to claim 1 wherein said step of exposing said fluoropolymer to electron beam radiation comprises exposing said fluoropolymer to greater than 1 Mrad of electron beam radiation.
- 5. (Original) The method according to claim 1 wherein said step of exposing said fluoropolymer to electron beam radiation comprises exposing said fluoropolymer to greater than 3 Mrad of electron beam radiation.

6. (Original) The method according to claim 1 wherein said step of exposing said fluoropolymer to electron beam radiation comprises exposing said fluoropolymer to greater than 15 Mrad of electron beam radiation.

- 7. (Original) The method according to claim 1 wherein said highly fluorinated fluoropolymer is perfluorinated.
- 8. (Original) The method according to claim 1 wherein said pendent groups are according to the formula R1 S02X, where R1 is a branched or unbranched perfluoroalkyl or perfluoroether group comprising 1-15 carbon atoms and 0-4 oxygen atoms, and where X is F, Cl, Br, OH or O-M+, where M+ is a monovalent cation.
- 9. (Original) The method according to claim 1 wherein said pendent groups are groups according to the formula -O-(CF2)4-SO2X, where X is F, Cl, Br, OH or O-M+, where M+ is a monovalent cation.
- 10. (Original) The method according to claim 1 wherein said pendent groups are groups according to the formula -O-(CF2)4-SO3H.

11.-12. (Canceled)

- 13. (Original) The method according to claim 2 wherein said pendent groups are according to the formula R1 S02X, where R1 is a branched or unbranched perfluoroalkyl or perfluoroether group comprising 1-15 carbon atoms and 0-4 oxygen atoms, and where X is F, Cl, Br, OH or O-M+, where M+ is a monovalent cation.
- 14. (Original) The method according to claim 2 wherein said pendent groups are groups according to the formula -O-(CF2)4-SO2X, where X is F, Cl, Br, OH or O-M+, where M+ is a monovalent cation.

15. (Original) The method according to claim 2 wherein said pendent groups are groups according to the formula -O-(CF2)4-SO3H.

16.-17. (Canceled)

- 18. (Original) The method according to claim 3 wherein said pendent groups are according to the formula R1 S02X, where R1 is a branched or unbranched perfluoroalkyl or perfluoroether group comprising 1-15 carbon atoms and 0-4 oxygen atoms, and where X is F, Cl, Br, OH or O-M+, where M+ is a monovalent cation.
- 19. (Original) The method according to claim 3 wherein said pendent groups are groups according to the formula -O-(CF2)4-SO2X, where X is F, Cl, Br, OH or O-M+, where M+ is a monovalent cation.
- 20. (Original) The method according to claim 3 wherein said pendent groups are groups according to the formula -O-(CF2)4-SO3H.

21.-22. (Canceled)

- 23. (Original) The method according to claim 4 wherein said pendent groups are according to the formula R1 S02X, where R1 is a branched or unbranched perfluoroalkyl or perfluoroether group comprising 1-15 carbon atoms and 0-4 oxygen atoms, and where X is F, Cl, Br, OH or O-M+, where M+ is a monovalent cation.
- 24. (Original) The method according to claim 4 wherein said pendent groups are groups according to the formula -O-(CF2)4-SO2X, where X is F, Cl, Br, OH or O-M+, where M+ is a monovalent cation.
- 25. (Original) The method according to claim 4 wherein said pendent groups are groups according to the formula -O-(CF2)4-SO3H.

26.-27. (Canceled)

- 28. (Original) The method according to claim 1 wherein step c) comprises imbibing said fluoropolymer into a porous supporting matrix.
- 29. (Original) The method according to claim 28 wherein said porous supporting matrix is a porous polytetrafluoroethylene web.
- 30. (Original) A polymer electrolyte membrane comprising the crosslinked polymer made according to the method of claim 1.
- 31. (Original) A polymer electrolyte membrane comprising the crosslinked polymer made according to the method of claim 2.
- 32. (Original) A polymer electrolyte membrane comprising the crosslinked polymer made according to the method of claim 3.
- 33. (Original) A polymer electrolyte membrane comprising the crosslinked polymer made according to the method of claim 4.
- 34. (Original) A polymer electrolyte membrane comprising the crosslinked polymer made according to the method of claim 5.
- 35. (Original) A polymer electrolyte membrane comprising the crosslinked polymer made according to the method of claim 6.
- 36. (Original) A polymer electrolyte membrane comprising the crosslinked polymer made according to the method of claim 7.

- 37. (Original) A polymer electrolyte membrane comprising the crosslinked polymer made according to the method of claim 8.
- 38. (Original) A polymer electrolyte membrane comprising the crosslinked polymer made according to the method of claim 9.
- 39. (Original) A polymer electrolyte membrane comprising the crosslinked polymer made according to the method of claim 10.
- 40. (Original) A polymer electrolyte membrane comprising the crosslinked polymer made according to the method of claim 11.
- 41. (Original) A polymer electrolyte membrane comprising the crosslinked polymer made according to the method of claim 12.
- 42. (Original) A polymer electrolyte membrane comprising the crosslinked polymer made according to the method of claim 13.
- 43. (Original) A polymer electrolyte membrane comprising the crosslinked polymer made according to the method of claim 14.
- 44. (Original) A polymer electrolyte membrane comprising the crosslinked polymer made according to the method of claim 15.
- 45. (Original) A polymer electrolyte membrane comprising the crosslinked polymer made according to the method of claim 16.
- 46. (Original) A polymer electrolyte membrane comprising the crosslinked polymer made according to the method of claim 17.

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- 47. (Original) A polymer electrolyte membrane comprising the crosslinked polymer made according to the method of claim 18.
- 48. (Original) A polymer electrolyte membrane comprising the crosslinked polymer made according to the method of claim 19.
- 49. (Original) A polymer electrolyte membrane comprising the crosslinked polymer made according to the method of claim 20.
- 50. (Original) A polymer electrolyte membrane comprising the crosslinked polymer made according to the method of claim 21.
- 51. (Original) A polymer electrolyte membrane comprising the crosslinked polymer made according to the method of claim 22.
- 52. (Original) A polymer electrolyte membrane comprising the crosslinked polymer made according to the method of claim 23.
- 53. (Original) A polymer electrolyte membrane comprising the crosslinked polymer made according to the method of claim 24.
- 54. (Original) A polymer electrolyte membrane comprising the crosslinked polymer made according to the method of claim 25.
- 55. (Original) A polymer electrolyte membrane comprising the crosslinked polymer made according to the method of claim 26.
- 56. (Original) A polymer electrolyte membrane comprising the crosslinked polymer made according to the method of claim 27.

57. (Original) A polymer electrolyte membrane comprising the crosslinked polymer made according to the method of claim 28.

58. (Original) A polymer electrolyte membrane comprising the crosslinked polymer made according to the method of claim 29.